



1

SEQUENCE LISTING

<110> Van Eyk, Jennifer E.
Iscoe, Steven D
Simpson, Jeremy A

<120> Methods of Diagnosing Muscle Damage

<130> 1997-023-02US

<140> 09/115,589
<141> 1998-07-15

<150> 60/052,697
<151> 1997-07-16

<160> 49

<170> PatentIn Ver. 2.1

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<223> Myosin light chain 1

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<223> May be any amino acid.

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<223> May be either Pro or Ala.

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<210> 4
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<213> Unknown

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<223> May be any amino acid.

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<223> serum albumin

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<222> (4)

<223> May be Arg or Leu.

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<300>

<303> FEBS Lett.

<304> 270

<305> 1-2

<306> 57-61

<307> 1990-09-17

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Pro Ile Arg Arg Arg Ser Ser Asn Tyr Arg Ala Tyr Ala Thr Glu Pro
20 25 30

His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln Leu
35 40 45

Lys Thr Leu Leu Leu Gln Ile Ala Lys Gln Glu Leu Glu Arg Glu Ala
50 55 60

Glu Glu Arg Arg Gly Glu Lys Gly Arg Ala Leu Ser Thr Arg Cys Gln

5

65

70

75

80

Pro Leu Glu Leu Ala Gly Leu Gly Phe Ala Glu Leu Gln Asp Leu Cys
85 90 95

Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr Asp
100 105 110

Ile Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu Thr
115 120 125

Gln Lys Ile Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu Arg
130 135 140

Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly Ala
145 150 155 160

Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val Lys
165 170 175

Lys Glu Asp Thr Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg Lys
180 185 190

Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Phe Glu
195 200 205

Ser

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<307> Jul-1990

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Pro Glu Val Glu Arg Lys Pro Lys Ile Thr Ala Ser Arg Lys Leu Leu
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Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Trp Glu Gln Glu
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His Glu Glu Arg Glu Ala Glu Lys Val Arg Tyr Leu Ala Glu Arg Ile
 35 40 45

 Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp Leu
 50 55 60

 Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg Tyr
 65 70 75 80

 Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp Leu
 85 90 95

 Lys Leu Lys Val Met Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu
 100 105 110

 Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly
 115 120 125

 Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser Val
 130 135 140

 Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp Trp
 145 150 155 160

 Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys Met
 165 170 175

 Phe Asp Ala Ala Lys Ser Pro Thr Ser Gln
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<300>
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 <304> 1217
 <306> 338-340
 <307> 1994-04-06

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Leu Lys Ser Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys Glu

20

25

30

Glu Ser Arg Arg Glu Ala Glu Lys Gln Asn Tyr Leu Ala Glu His Cys
 35 40 45

Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu Cys
 50 55 60

Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Glu Lys Tyr Asp
 65 70 75 80

Met Glu Val Arg Val Gln Lys Thr Ser Lys Glu Leu Glu Asp Met Asn
 85 90 95

Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu Arg
 100 105 110

Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly Ser
 115 120 125

Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val Lys
 130 135 140

Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp Trp
 145 150 155 160

Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys Met
 165 170 175

Phe Glu Ser Glu Ser
 180

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 <307> 1991-01-22

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Pro Val Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu
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 Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
 35 40 45

 Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu
 50 55 60

 Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys
 65 70 75 80

 Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu
 85 90 95

 Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr
 100 105 110

 Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu
 115 120 125

 Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu
 130 135 140

 Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
 145 150 155 160

 Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val
 165 170 175

 Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg
 180 185 190

 Lys Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Phe
 195 200 205

 Glu Gly
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<306> 14327-14333

<307> 1989-08-25

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Leu	Lys	Ser	Leu	Met	Leu	Ala	Lys	Ala	Lys	Glu	Cys	Trp	Glu	Gln	Glu
					20				25				30		

His	Glu	Glu	Arg	Glu	Ala	Glu	Lys	Val	Arg	Tyr	Leu	Ser	Glu	Arg	Ile
					35			40					45		

Pro	Thr	Leu	Gln	Thr	Arg	Gly	Leu	Ser	Leu	Ser	Ala	Leu	Gln	Asp	Leu
					50			55				60			

Cys	Arg	Glu	Leu	His	Ala	Lys	Val	Glu	Val	Val	Asp	Glu	Glu	Arg	Tyr
					65		70			75			80		

Asp	Ile	Glu	Ala	Lys	Cys	Leu	His	Asn	Thr	Arg	Glu	Ile	Lys	Asp	Leu
					85				90				95		

Lys	Leu	Lys	Val	Leu	Asp	Leu	Arg	Gly	Lys	Phe	Lys	Arg	Pro	Pro	Leu
					100			105					110		

Arg	Arg	Val	Arg	Val	Ser	Ala	Asp	Ala	Met	Leu	Arg	Ala	Leu	Leu	Gly
					115				120				125		

Ser	Lys	His	Lys	Val	Ser	Met	Asp	Leu	Arg	Ala	Asn	Leu	Lys	Ser	Val
					130		135					140			

Lys	Lys	Glu	Asp	Thr	Glu	Lys	Glu	Arg	Pro	Val	Glu	Val	Gly	Asp	Trp
					145		150			155			160		

Arg	Lys	Asn	Val	Glu	Ala	Met	Ser	Gly	Met	Glu	Gly	Arg	Lys	Lys	Met
					165				170				175		

Phe	Asp	Ala	Ala	Lys	Ser	Pro	Thr	Leu	Gln						
					180			185							

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20 25 30

Glu Ser Arg Arg Glu Ser Glu Lys Gln Asn Tyr Leu Ser Glu His Cys
35 40 45

Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu Cys
50 55 60

Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Glu Lys Tyr Asp
65 70 75 80

Met Glu Val Lys Val Gln Lys Ser Ser Lys Glu Leu Glu Asp Met Asn
85 90 95

Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu Arg
100 105 110

Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly Ser
115 120 125

Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val Lys
130 135 140

Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp Trp
145 150 155 160

Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys Met
165 170 175

Phe Glu Ser Glu Ser
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<300>

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<304> 328

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<306> 139-144

<307> 1993-08-09

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						20				25			30		

Ala	Glu	Ala	Glu	Thr	Glu	Glu	Thr	Arg	Ala	Glu	Glu	Asp	Glu	Glu	Glu
							35			40			45		

Glu	Glu	Ala	Lys	Glu	Ala	Glu	Asp	Gly	Pro	Met	Glu	Glu	Ser	Lys	Pro
						50			55			60			

Lys	Pro	Arg	Ser	Phe	Met	Pro	Asn	Leu	Val	Pro	Pro	Lys	Ile	Pro	Asp
					65				70			75			80

Gly	Glu	Arg	Val	Asp	Phe	Asp	Asp	Ile	His	Arg	Lys	Arg	Met	Glu	Lys
						85			90			95			

Asp	Leu	Asn	Glu	Leu	Gln	Ala	Leu	Ile	Glu	Ala	His	Phe	Glu	Asn	Arg
						100			105			110			

Lys	Lys	Glu	Glu	Glu	Leu	Val	Ser	Leu	Lys	Asp	Arg	Ile	Glu	Arg	
							115		120			125			

Arg	Arg	Ala	Glu	Arg	Ala	Glu	Gln	Gln	Arg	Ile	Arg	Asn	Glu	Arg	Glu
						130			135			140			

Lys	Glu	Arg	Gln	Asn	Arg	Leu	Ala	Glu	Glu	Arg	Ala	Arg	Arg	Glu	
					145			150			155			160	

Glu	Glu	Asn	Arg	Arg	Lys	Ala	Glu	Asp	Glu	Ala	Arg	Lys	Lys	Ala	
						165			170			175			

Leu	Ser	Asn	Met	Met	His	Phe	Gly	Gly	Tyr	Ile	Gln	Lys	Gln	Ala	Gln
						180			185			190			

Thr	Glu	Arg	Lys	Ser	Gly	Lys	Arg	Gln	Thr	Glu	Arg	Glu	Lys	Lys	Lys
						195			200			205			

Lys	Ile	Leu	Ala	Glu	Arg	Arg	Lys	Val	Leu	Ala	Ile	Asp	His	Leu	Asn
						210			215			220			

Glu	Asp	Gln	Leu	Arg	Glu	Lys	Ala	Lys	Glu	Leu	Trp	Gln	Ser	Ile	Tyr
						225			230			235			240

Asn	Leu	Glu	Ala	Glu	Lys	Phe	Asp	Leu	Gln	Glu	Lys	Phe	Lys	Gln	Gln
						245			250			255			

Lys	Tyr	Glu	Ile	Asn	Val	Leu	Arg	Asn	Arg	Ile	Asn	Asp	Asn	Gln	Lys
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<304> 262
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<307> 1987-11-25

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Glu Pro Glu Glu Glu Arg Pro Lys Pro Ser Arg Pro Val Val Pro Pro
35 40 45

Leu Ile Pro Pro Lys Ile Pro Glu Gly Glu Arg Val Asp Phe Asp Asp
50 55 60

Ile His Arg Lys Arg Met Glu Lys Asp Leu Leu Glu Leu Gln Thr Leu
65 70 75 80

Ile Asp Val His Phe Glu Gln Arg Lys Lys Glu Glu Glu Glu Leu Val
85 90 95

Ala Leu Lys Glu Arg Ile Glu Arg Arg Arg Ser Glu Arg Ala Glu Gln
100 105 110

Gln Arg Phe Arg Thr Glu Lys Glu Arg Glu Arg Gln Ala Lys Leu Ala
115 120 125

Glu Glu Lys Met Arg Lys Glu Glu Glu Ala Lys Lys Arg Ala Glu
130 135 140

Asp Asp Ala Lys Lys Lys Val Leu Ser Asn Met Gly Ala His Phe
145 150 155 160

Gly Gly Tyr Leu Val Lys Ala Glu Gln Lys Arg Gly Lys Arg Gln Thr
 165 170 175
 Gly Arg Glu Met Lys Val Arg Ile Leu Ser Glu Arg Lys Lys Pro Leu
 180 185 190
 Asp Ile Asp Tyr Met Gly Glu Gln Leu Arg Ala Arg Ser Ala Trp
 195 200 205
 Leu Pro Pro Ser Gln Pro Ser Cys Pro Ala Arg Glu Lys Ala Gln Glu
 210 215 220
 Leu Ser Asp Trp Ile His Gln Leu Glu Ser Glu Lys Phe Asp Leu Met
 225 230 235 240
 Ala Lys Leu Lys Gln Gln Lys Tyr Glu Ile Asn Val Leu Tyr Asn Arg
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 <307> MAR-1994

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Ala Glu Glu Glu Lys Pro Arg Pro Lys Leu Thr Ala Pro Lys Ile Pro
 35 40 45

Glu Gly Glu Lys Val Asp Phe Asp Asp Ile Gln Lys Lys Arg Gln Asn
 50 55 60

 Lys Asp Leu Met Glu Leu Gln Ala Leu Ile Asp Ser His Phe Glu Ala
 65 70 75 80

 Arg Lys Lys Glu Glu Glu Glu Leu Val Ala Leu Lys Glu Arg Ile Glu
 85 90 95

 Lys Arg Arg Ala Glu Arg Ala Glu Gln Gln Arg Ile Arg Ala Glu Lys
 100 105 110

 Glu Arg Glu Arg Gln Asn Arg Leu Ala Glu Glu Lys Ala Arg Arg Glu
 115 120 125

 Glu Glu Asp Ala Lys Arg Arg Ala Glu Asp Asp Leu Lys Lys Lys Lys
 130 135 140

 Ala Leu Ser Ser Met Gly Ala Asn Tyr Ser Ser Tyr Leu Ala Lys Ala
 145 150 155 160

 Asp Gln Lys Arg Gly Lys Lys Gln Thr Ala Arg Glu Met Lys Lys Lys
 165 170 175

 Ile Leu Ala Glu Arg Arg Lys Pro Leu Asn Ile Asp His Leu Gly Glu
 180 185 190

 Asp Lys Leu Arg Asp Lys Ala Lys Glu Leu Trp Glu Thr Leu His Gln
 195 200 205

 Leu Glu Ile Asp Lys Phe Glu Phe Gly Glu Lys Leu Lys Arg Gln Lys
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 Tyr Asp Ile Thr Thr Leu Arg Ser Arg Ile Asp Gln Ala Gln Lys His
 225 230 235 240

 Ser Lys Lys Ala Gly Thr Pro Ala Lys Gly Lys Val Gly Arg Trp
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Lys

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<304> 264

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<306> 14471-14477

<307> 1989-08-25

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			20					25				30		

Glu	Glu	Asp	Gly	Glu	Ala	Glu	Pro	Asp	Pro	Glu	Gly	Glu	Ala	Glu	Ala
			35					40				45			

Glu	Glu	Asp	Lys	Ala	Glu	Glu	Val	Gly	Pro	Asp	Glu	Glu	Ala	Arg	Asp
			50					55				60			

Ala	Glu	Asp	Gly	Pro	Val	Glu	Asp	Ser	Lys	Pro	Lys	Pro	Ser	Arg	Leu
	65				70				75				80		

Phe	Met	Pro	Asn	Leu	Val	Pro	Pro	Lys	Ile	Pro	Asp	Gly	Glu	Arg	Val
								85			90			95	

Asp	Phe	Asp	Asp	Ile	His	Arg	Lys	Arg	Met	Glu	Lys	Asp	Leu	Asn	Glu
								100			105			110	

Leu	Gln	Thr	Leu	Ile	Glu	Ala	His	Phe	Glu	Asn	Arg	Lys	Glu	Glu	
								115			120			125	

Glu	Glu	Leu	Ile	Ser	Leu	Lys	Asp	Arg	Ile	Glu	Lys	Arg	Arg	Ala	Glu
								130			135			140	

Arg	Ala	Glu	Gln	Gln	Arg	Ile	Arg	Asn	Glu	Arg	Glu	Lys	Glu	Arg	Gln
								145			150			155	

Asn	Arg	Leu	Ala	Glu	Glu	Arg	Ala	Arg	Arg	Glu	Glu	Glu	Glu	Asn	Arg
								165			170			175	

Arg	Lys	Ala	Glu	Asp	Glu	Ala	Arg	Lys	Lys	Ala	Leu	Ser	Asn	Met	
								180			185			190	

Met	His	Phe	Gly	Gly	Tyr	Ile	Gln	Lys	Ala	Gln	Thr	Glu	Arg	Lys	Ser
								195			200			205	

Gly	Lys	Arg	Gln	Thr	Glu	Arg	Glu	Lys	Lys	Lys	Ile	Leu	Ala	Glu	
								210			215			220	

Arg	Arg	Lys	Val	Leu	Ala	Ile	Asp	His	Leu	Asn	Glu	Asp	Gln	Leu	Arg
								225			230			235	

Glu	Lys	Ala	Lys	Glu	Leu	Trp	Gln	Ser	Ile	His	Asn	Leu	Glu	Ala	Glu
								245			250			255	

Lys	Phe	Asp	Leu	Gln	Glu	Lys	Phe	Lys	Gln	Gln	Lys	Tyr	Glu	Ile	Asn
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16

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265

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<300>
<303> J. Mol. Biol.
<304> 188
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<306> 313-324
<307> 1986-04-05

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Val Gln Glu Glu Lys Pro Arg Pro Lys Leu Thr Ala Pro Lys Ile
35 40 45

Pro Glu Gly Glu Lys Val Asp Phe Asp Asp Ile Gln Lys Lys Arg Gln
50 55 60

Asn Lys Asp Leu Met Glu Leu Gln Ala Leu Ile Asp Ser His Phe Glu
65 70 75 80

Ala Arg Lys Lys Glu Glu Glu Leu Ile Ala Leu Lys Glu Arg Ile
85 90 95

Glu Lys Arg Arg Ala Glu Arg Ala Glu Gln Gln Arg Ile Arg Ala Glu
100 105 110

Lys Glu Arg Glu Arg Gln Asn Arg Leu Ala Glu Glu Lys Ala Arg Arg
115 120 125

Glu Glu Glu Asp Ala Lys Arg Arg Ala Glu Asp Asp Leu Lys Lys Lys
130 135 140

Lys Ala Leu Ser Ser Met Gly Ala Asn Tyr Ser Ser Tyr Leu Ala Lys
 145 150 155 160

Ala Asp Gln Lys Arg Gly Lys Lys Gln Thr Ala Arg Glu Met Lys Lys
 165 170 175

Lys Ile Leu Ala Glu Arg Arg Lys Pro Leu Asn Ile Asp His Leu Ser
 180 185 190

Asp Asp Lys Leu Arg Asp Lys Ala Lys Glu Leu Trp Asp Thr Leu Tyr
 195 200 205

Gln Leu Glu Thr Asp Lys Phe Glu Phe Gly Glu Lys Leu Lys Arg Gln
 210 215 220

Lys Tyr Asp Ile Thr Thr Leu Arg Ser Arg Ile Asp Gln Ala Gln Lys
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His Ser Lys Lys Ala Gly Ala Thr Ala Lys Gly Lys Val Gly Gly Arg
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Trp Lys

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 <304> 18
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 <306> 1581-1586
 <307> 1990-03-25

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Ala Phe Asp Pro Lys Ser Val Lys Ile Asp Phe Ser Ala Asp Gln Ile
 35 40 45

Glu Glu Phe Lys Glu Ala Phe Ser Leu Phe Asp Arg Thr Pro Thr Gly

18

50	55	60
Glu Met Lys Ile Thr Tyr Gly Gln Cys Gly Asp Val Leu Arg Ala Leu		
65	70	75
Gly Gln Asn Pro Thr Asn Ala Glu Val Leu Arg Val Leu Gly Lys Pro		
85	90	95
Lys Pro Glu Glu Met Asn Ser Lys Thr Leu Asp Phe Glu Met Phe Leu		
100	105	110
Pro Ile Leu Gln His Ile Ser Arg Asn Lys Glu Gln Gly Thr Tyr Glu		
115	120	125
Asp Phe Val Glu Gly Leu Arg Val Phe Asp Lys Glu Ser Asn Gly Thr		
130	135	140
Val Met Gly Ala Glu Leu Arg His Val Leu Ala Thr Leu Gly Glu Lys		
145	150	155
Met Ser Glu Ala Glu Val Glu Gln Leu Leu Thr Gly Gln Glu Asp Ala		
165	170	175
Asn Gly Cys Ile Asn Tyr Glu Ala Phe Val Lys His Val Met Ser Gly		
180	185	190

<210> 20
<211> 193
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (1)..(193)
<223> Rat cardiac troponin I

<400> 20

Ala Asp Glu Ser Ser Asp Ala Ala Gly Glu Pro Gln Pro Ala Pro Ala		
1	5	10
15		
Pro Val Arg Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu		
20	25	30
Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln		
35	40	45
Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu		
50	55	60
Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys		
65	70	75
80		
Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu		
85	90	95

Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr
 100 105 110
 Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu
 115 120 125
 Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu
 130 135 140
 Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
 145 150 155 160
 Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val
 165 170 175
 Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg
 180 185 190
 Lys

<210> 21
<211> 192
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (1)..(192)
<223> Human cardiac troponin I

<400> 21
Ala Asp Gly Ser Ser Asp Ala Ala Arg Glu Pro Arg Pro Ala Pro Ala
 1 5 10 15
Pro Ile Arg Arg Ser Ser Asn Tyr Arg Ala Tyr Ala Thr Glu Pro
 20 25 30
His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln Leu
 35 40 45
Lys Thr Leu Leu Leu Gln Ile Ala Lys Gln Glu Leu Glu Arg Glu Ala
 50 55 60
Glu Glu Arg Arg Gly Glu Lys Gly Arg Ala Leu Ser Thr Arg Cys Gln
 65 70 75 80
Pro Leu Glu Leu Ala Gly Leu Gly Phe Ala Glu Leu Gln Asp Leu Cys
 85 90 95
Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr Asp
 100 105 110
Ile Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu Thr
 115 120 125

Gln Lys Ile Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu Arg
 130 135 140

Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly Ala
 145 150 155 160

Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val Lys
 165 170 175

Lys Glu Asp Thr Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg Lys
 180 185 190

<210> 22
 <211> 131
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (63)..(193)
 <223> Rat cardiac troponin I

<400> 22

Arg Glu Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Val Leu Ser Thr
 1 5 10 15

Arg Cys Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln
 20 25 30

Asp Leu Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu
 35 40 45

Arg Tyr Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala
 50 55 60

Asp Leu Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro
 65 70 75 80

Thr Leu Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu
 85 90 95

Leu Gly Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys
 100 105 110

Gln Val Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val Gly Asp
 115 120 125

Trp Arg Lys
 130

<210> 23
 <211> 131
 <212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (62)..(192)

<223> Human cardiac troponin I

<400> 23

Arg	Glu	Ala	Glu	Glu	Arg	Arg	Gly	Glu	Lys	Gly	Arg	Ala	Leu	Ser	Thr
1				5					10					15	

Arg	Cys	Gln	Pro	Leu	Glu	Leu	Ala	Gly	Leu	Gly	Phe	Ala	Glu	Leu	Gln
				20				25					30		

Asp	Leu	Cys	Arg	Gln	Leu	His	Ala	Arg	Val	Asp	Lys	Val	Asp	Glu	Glu
				35				40				45			

Arg	Tyr	Asp	Ile	Glu	Ala	Lys	Val	Thr	Lys	Asn	Ile	Thr	Glu	Ile	Ala
				50				55			60				

Asp	Leu	Thr	Gln	Lys	Ile	Phe	Asp	Leu	Arg	Gly	Lys	Phe	Lys	Arg	Pro
				65		70			75				80		

Thr	Leu	Arg	Arg	Val	Arg	Ile	Ser	Ala	Asp	Ala	Met	Met	Gln	Ala	Leu
				85				90			95				

Leu	Gly	Ala	Arg	Ala	Lys	Glu	Ser	Leu	Asp	Leu	Arg	Ala	His	Leu	Lys
				100				105			110				

Gln	Val	Lys	Lys	Glu	Asp	Thr	Glu	Lys	Glu	Asn	Arg	Glu	Val	Gly	Asp
				115			120			125					

Trp	Arg	Lys
	130	

<210> 24

<211> 121

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (73)..(193)

<223> Rat cardiac troponin I

<400> 24

Gly	Arg	Val	Leu	Ser	Thr	Arg	Cys	Gln	Pro	Leu	Val	Leu	Asp	Gly	Leu
1				5					10			15			

Gly	Phe	Glu	Glu	Leu	Gln	Asp	Leu	Cys	Arg	Gln	Leu	His	Ala	Arg	Val
				20				25				30			

Asp	Lys	Val	Asp	Glu	Glu	Arg	Tyr	Asp	Val	Glu	Ala	Lys	Val	Thr	Lys
				35				40			45				

Asn Ile Thr Glu Ile Ala Asp Leu Thr Gln Lys Ile Tyr Asp Leu Arg
 50 55 60

Gly Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg Ile Ser Ala Asp
 65 70 75 80

Ala Met Met Gln Ala Leu Leu Gly Thr Arg Ala Lys Glu Ser Leu Asp
 85 90 95

Leu Arg Ala His Leu Lys Gln Val Lys Lys Glu Asp Ile Glu Lys Glu
 100 105 110

Asn Arg Glu Val Gly Asp Trp Arg Lys
 115 120

<210> 25
 <211> 121
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (72) .. (192)
 <223> Human cardiac troponin I

<400> 25

Gly Arg Ala Leu Ser Thr Arg Cys Gln Pro Leu Glu Leu Ala Gly Leu
 1 5 10 15

Gly Phe Ala Glu Leu Gln Asp Leu Cys Arg Gln Leu His Ala Arg Val
 20 25 30

Asp Lys Val Asp Glu Glu Arg Tyr Asp Ile Glu Ala Lys Val Thr Lys
 35 40 45

Asn Ile Thr Glu Ile Ala Asp Leu Thr Gln Lys Ile Phe Asp Leu Arg
 50 55 60

Gly Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg Ile Ser Ala Asp
 65 70 75 80

Ala Met Met Gln Ala Leu Leu Gly Ala Arg Ala Lys Glu Ser Leu Asp
 85 90 95

Leu Arg Ala His Leu Lys Gln Val Lys Lys Glu Asp Thr Glu Lys Glu
 100 105 110

Asn Arg Glu Val Gly Asp Trp Arg Lys
 115 120

<210> 26
 <211> 17

<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (194)..(210)
<223> Rat cardiac troponin I

<400> 26

Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe Glu
1 5 10 15

Gly

<210> 27
<211> 17
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (193)..(209)
<223> Human cardiac troponin I

<400> 27

Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe Glu
1 5 10 15

Ser

<210> 28
<211> 173
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (20)..(192)
<223> rat myosin light chain 1, atrial isoform

<400> 28

Pro Ala Pro Ala Pro Ala Pro Glu Pro Leu Arg Asp Ser Ala Phe Asp
1 5 10 15

Pro Lys Ser Val Lys Ile Asp Phe Ser Ala Asp Gln Ile Glu Glu Phe
20 25 30

Lys Glu Ala Phe Ser Leu Phe Asp Arg Thr Pro Thr Gly Glu Met Lys
35 40 45

Ile Thr Tyr Gly Gln Cys Gly Asp Val Leu Arg Ala Leu Gly Gln Asn
50 55 60

Pro Thr Asn Ala Glu Val Leu Arg Val Leu Gly Lys Pro Lys Pro Glu
65 70 75 80

Glu Met Asn Ser Lys Thr Leu Asp Phe Glu Met Phe Leu Pro Ile Leu
 85 90 95

 Gln His Ile Ser Arg Asn Lys Glu Gln Gly Thr Tyr Glu Asp Phe Val
 100 105 110

 Glu Gly Leu Arg Val Phe Asp Lys Glu Ser Asn Gly Thr Val Met Gly
 115 120 125

 Ala Glu Leu Arg His Val Leu Ala Thr Leu Gly Glu Lys Met Ser Glu
 130 135 140

 Ala Glu Val Glu Gln Leu Leu Thr Gly Gln Glu Asp Ala Asn Gly Cys
 145 150 155 160

 Ile Asn Tyr Glu Ala Phe Val Lys His Val Met Ser Gly
 165 170

 <210> 29
 <211> 19
 <212> PRT
 <213> Unknown

 <220>
 <221> PEPTIDE
 <222> (1)..(19)
 <223> rat myosin light chain 1, atrial isoform

 <400> 29
 Pro Pro Lys Lys Pro Glu Pro Lys Lys Glu Thr Ala Lys Val Ala Ala
 1 5 10 15

 Ala Pro Ala

 <210> 30
 <211> 108
 <212> PRT
 <213> Unknown

 <220>
 <221> PEPTIDE
 <222> (191)..(298)
 <223> Rat cardiac troponin T

 <400> 30
 Asn Met Met His Phe Gly Gly Tyr Ile Gln Lys Ala Gln Thr Glu Arg
 1 5 10 15

 Lys Ser Gly Lys Arg Gln Thr Glu Arg Glu Lys Lys Lys Ile Leu
 20 25 30

 Ala Glu Arg Arg Lys Val Leu Ala Ile Asp His Leu Asn Glu Asp Gln
 35 40 45

 Leu Arg Glu Lys Ala Lys Glu Leu Trp Gln Ser Ile His Asn Leu Glu

50

55

60

Ala Glu Lys Phe Asp Leu Gln Glu Lys Phe Lys Gln Gln Lys Tyr Glu
 65 70 75 80

Ile Asn Val Leu Arg Asn Arg Ile Asn Asp Asn Gln Lys Val Ser Lys
 85 90 95

Thr Arg Gly Lys Ala Lys Val Thr Gly Arg Trp Lys
 100 105

<210> 31

<211> 190

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(190)

<223> Rat cardiac troponin T

<400> 31

Ser Asp Ala Glu Glu Glu Val Val Glu Tyr Glu Glu Gln Glu Glu
 1 5 10 15

Glu Asp Trp Ser Glu Glu Glu Asp Glu Gln Glu Glu Ala Val Glu
 20 25 30

Glu Glu Asp Gly Glu Ala Glu Pro Asp Pro Glu Gly Glu Ala Glu Ala
 35 40 45

Glu Glu Asp Lys Ala Glu Glu Val Gly Pro Asp Glu Glu Ala Arg Asp
 50 55 60

Ala Glu Asp Gly Pro Val Glu Asp Ser Lys Pro Lys Pro Ser Arg Leu
 65 70 75 80

Phe Met Pro Asn Leu Val Pro Pro Lys Ile Pro Asp Gly Glu Arg Val
 85 90 95

Asp Phe Asp Asp Ile His Arg Lys Arg Met Glu Lys Asp Leu Asn Glu
 100 105 110

Leu Gln Thr Leu Ile Glu Ala His Phe Glu Asn Arg Lys Lys Glu Glu
 115 120 125

Glu Glu Leu Ile Ser Leu Lys Asp Arg Ile Glu Lys Arg Arg Ala Glu
 130 135 140

Arg Ala Glu Gln Gln Arg Ile Arg Asn Glu Arg Glu Lys Glu Arg Gln
 145 150 155 160

Asn Arg Leu Ala Glu Glu Arg Ala Arg Arg Glu Glu Glu Asn Arg
 165 170 175

Arg Lys Ala Glu Asp Glu Ala Arg Lys Lys Ala Leu Ser

180

185

190

<210> 32
 <211> 106
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (182)..(287)
 <223> Human cardiac troponin T

<400> 32
 His Phe Gly Gly Tyr Ile Gln Lys Gln Ala Gln Thr Glu Arg Lys Ser
 1 5 10 15

Gly Lys Arg Gln Thr Glu Arg Glu Lys Lys Lys Ile Leu Ala Glu
 20 25 30

Arg Arg Lys Val Leu Ala Ile Asp His Leu Asn Glu Asp Gln Leu Arg
 35 40 45

Glu Lys Ala Lys Glu Leu Trp Gln Ser Ile Tyr Asn Leu Glu Ala Glu
 50 55 60

Lys Phe Asp Leu Gln Glu Lys Phe Lys Gln Gln Lys Tyr Glu Ile Asn
 65 70 75 80

Val Leu Arg Asn Arg Ile Asn Asp Asn Gln Lys Val Ser Lys Thr Arg
 85 90 95

Gly Lys Ala Lys Val Thr Gly Arg Trp Lys
 100 105

<210> 33
 <211> 181
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (1)..(181)
 <223> Human cardiac troponin T

<400> 33
 Ser Asp Ile Glu Glu Val Val Glu Glu Tyr Glu Glu Glu Gln Glu
 1 5 10 15

Glu Ala Ala Val Glu Glu Gln Glu Glu Ala Ala Glu Glu Asp Ala Glu
 20 25 30

Ala Glu Ala Glu Thr Glu Glu Thr Arg Ala Glu Glu Asp Glu Glu Glu
 35 40 45

Glu Glu Ala Lys Glu Ala Glu Asp Gly Pro Met Glu Glu Ser Lys Pro
 50 55 60

Lys Pro Arg Ser Phe Met Pro Asn Leu Val Pro Pro Lys Ile Pro Asp
 65 70 75 80

 Gly Glu Arg Val Asp Phe Asp Asp Ile His Arg Lys Arg Met Glu Lys
 85 90 95

 Asp Leu Asn Glu Leu Gln Ala Leu Ile Glu Ala His Phe Glu Asn Arg
 100 105 110

 Lys Lys Glu Glu Glu Leu Val Ser Leu Lys Asp Arg Ile Glu Arg
 115 120 125

 Arg Arg Ala Glu Arg Ala Glu Gln Gln Arg Ile Arg Asn Glu Arg Glu
 130 135 140

 Lys Glu Arg Gln Asn Arg Leu Ala Glu Glu Arg Ala Arg Arg Glu Glu
 145 150 155 160

 Glu Glu Asn Arg Arg Lys Ala Glu Asp Glu Ala Arg Lys Lys Ala
 165 170 175

 Leu Ser Asn Met Met

<210> 34

<211> 13

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (136)..(148)

<223> Rat cardiac troponin I

<400> 34

Arg	Gly	Lys	Phe	Lys	Arg	Pro	Thr	Leu	Arg	Arg	Val	Arg
1				5					10			

<210> 35

<211> 47

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (129)..(175)

<223> Rat cardiac troponin I

<400> 35

Thr	Gln	Lys	Ile	Tyr	Asp	Leu	Arg	Gly	Lys	Phe	Lys	Arg	Pro	Thr	Leu
1					5				10			15			

Arg	Arg	Val	Arg	Ile	Ser	Ala	Asp	Ala	Met	Met	Gln	Ala	Leu	Leu	Gly
		20					25				30				

Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln

35

40

45

<210> 36
<211> 157
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (54)..(210)
<223> Rat cardiac troponin I

<400> 36

Leu	Gln	Ile	Ala	Lys	Gln	Glu	Met	Glu	Arg	Glu	Ala	Glu	Glu	Arg	Arg
1							5		10					15	

Gly	Glu	Lys	Gly	Arg	Val	Leu	Ser	Thr	Arg	Cys	Gln	Pro	Leu	Val	Leu
								20	25				30		

Asp	Gly	Leu	Gly	Phe	Glu	Glu	Leu	Gln	Asp	Leu	Cys	Arg	Gln	Leu	His
								35	40			45			

Ala	Arg	Val	Asp	Lys	Val	Asp	Glu	Glu	Arg	Tyr	Asp	Val	Glu	Ala	Lys
							50	55				60			

Val	Thr	Lys	Asn	Ile	Thr	Glu	Ile	Ala	Asp	Leu	Thr	Gln	Lys	Ile	Tyr
						65		70			75			80	

Asp	Leu	Arg	Gly	Lys	Phe	Lys	Arg	Pro	Thr	Leu	Arg	Arg	Val	Arg	Ile
							85		90			95			

Ser	Ala	Asp	Ala	Met	Met	Gln	Ala	Leu	Leu	Gly	Thr	Arg	Ala	Lys	Glu
							100		105			110			

Ser	Leu	Asp	Leu	Arg	Ala	His	Leu	Lys	Gln	Val	Lys	Lys	Glu	Asp	Ile
							115		120			125			

Glu	Lys	Glu	Asn	Arg	Glu	Val	Gly	Asp	Trp	Arg	Lys	Asn	Ile	Asp	Ala
						130		135			140				

Leu	Ser	Gly	Met	Glu	Gly	Arg	Lys	Lys	Lys	Phe	Glu	Gly			
							145		150			155			

<210> 37
<211> 188
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (1)..(188)
<223> Rat cardiac troponin I

<400> 37
Ala Asp Glu Ser Ser Asp Ala Ala Gly Glu Pro Gln Pro Ala Pro Ala

29

1

5

10

15

Pro Val Arg Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu
20 25 30

Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
35 40 45

Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu
50 55 60

Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys
65 70 75 80

Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu
85 90 95

Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr
100 105 110

Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu
115 120 125

Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu
130 135 140

Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
145 150 155 160

Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val
165 170 175

Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val
180 185

<210> 38

<211> 199

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(199)

<223> Rat cardiac troponin I

<400> 38

Ala Asp Glu Ser Ser Asp Ala Ala Gly Glu Pro Gln Pro Ala Pro Ala
1 5 10 15

Pro Val Arg Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu
20 25 30

Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
35 40 45

Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu

30

50	55	60
Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys		
65	70	75
Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu		
85	90	95
Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr		
100	105	110
Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu		
115	120	125
Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu		
130	135	140
Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly		
145	150	155
160		
Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val		
165	170	175
Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg		
180	185	190
Lys Asn Ile Asp Ala Leu Ser		
195		
<210> 39		
<211> 12		
<212> PRT		
<213> Unknown		
<220>		
<221> PEPTIDE		
<222> (188)..(199)		
<223> Human cardiac troponin I		
<400> 39		
Gly Asp Trp Arg Lys Asn Ile Asp Ala Leu Ser Gly		
1	5	10
<210> 40		
<211> 6		
<212> PRT		
<213> Unknown		
<220>		
<221> PEPTIDE		
<222> (70)..(75)		
<223> rat myosin light chain 1, atrial isoform		
<400> 40		
Tyr Gly Gln Cys Gly Asp		
1	5	

<210> 41
 <211> 36
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (157)..(192)
 <223> rat cardiac troponin I

<400> 41
 Ala Leu Leu Gly Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His
 1 5 10 15

Leu Lys Gln Val Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val
 20 25 30

Gly Asp Trp Arg
 35

<210> 42
 <211> 65
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (1)..(65)
 <223> rat cardiac troponin I

<400> 42
 Ala Asp Glu Ser Ser Asp Ala Ala Gly Glu Pro Gln Pro Ala Pro Ala
 1 5 10 15

Pro Val Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu
 20 25 30

Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
 35 40 45

Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu
 50 55 60

Ala
 65

<210> 43
 <211> 11
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE

<222> (189)..(199)

<223> rat cardiac troponin I

<400> 43

Gly Asp Trp Arg Lys Asn Ile Asp Ala Leu Ser
1 5 10

<210> 44

<211> 12

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (137)..(148)

<223> rat cardiac troponin I

<400> 44

Gly Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg
1 5 10

<210> 45

<211> 47

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (96)..(142)

<223> Synthetic skeletal troponin I

<400> 45

Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu
1 5 10 15

Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
20 25 30

Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln
35 40 45

<210> 46

<211> 27

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (28)..(54)

<223> Rat cardiac troponin I

<400> 46

Ala Tyr Ala Thr Glu Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala
1 5 10 15

Ser Arg Lys Leu Gln Leu Lys Thr Leu Met Leu
 20 25

<210> 47

<211> 12

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (137)..(148)

<223> human cardiac troponin I

<400> 47

Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg Ile
 1 5 10

<210> 48

<211> 161

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(161)

<223> human cardiac/slow skeletal troponin C

<400> 48

Met Asp Asp Ile Tyr Lys Ala Ala Val Glu Gln Leu Thr Glu Glu Gln
 1 5 10 15

Lys Asn Glu Phe Lys Ala Ala Phe Asp Ile Phe Val Leu Gly Ala Glu
 20 25 30

Asp Gly Cys Ile Ser Thr Lys Glu Lys Gly Lys Val Met Arg Met Lys
 35 40 45

Gly Gln Asn Pro Thr Pro Glu Glu Lys Gln Glu Met Ile Asp Glu Val
 50 55 60

Asp Glu Asp Gly Ser Gly Thr Val Asp Phe Asp Glu Phe Leu Val Met
 65 70 75 80

Met Val Arg Cys Met Lys Asp Asp Ser Lys Gly Lys Ser Glu Glu Glu
 85 90 95

Leu Ser Asp Leu Phe Arg Met Phe Asp Lys Asn Ala Asp Gly Tyr Ile
 100 105 110

Asp Leu Glu Glu Leu Lys Ile Met Leu Gln Ala Thr Gly Glu Thr Ile
 115 120 125

Thr Glu Asp Asp Ile Glu Glu Leu Met Lys Asp Gly Asp Lys Arg Arg
 130 135 140

Asp Gly Arg Ile Asp Tyr Asp Glu Phe Leu Glu Phe Met Lys Gly Val
145 150 155 160

Glu

<210> 49

<211> 94

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(94)

<223> human cardiac/slow skeletal troponin C

<400> 49

Met Asp Asp Ile Tyr Lys Ala Ala Val Glu Gln Leu Thr Glu Glu Gln
1 5 10 15

Lys Asn Glu Phe Lys Ala Ala Phe Asp Ile Phe Val Leu Gly Ala Glu
20 25 30

Asp Gly Cys Ile Ser Thr Lys Glu Lys Gly Lys Val Met Arg Met Lys
35 40 45

Gly Gln Asn Pro Thr Pro Glu Glu Lys Gln Glu Met Ile Asp Glu Val
50 55 60

Asp Glu Asp Gly Ser Gly Thr Val Asp Phe Asp Glu Phe Leu Val Met
65 70 75 80

Met Val Arg Cys Met Lys Asp Asp Ser Lys Gly Lys Ser Glu
85 90